



# Taimide Tech Incorporation

A High Performance Film Manufacturer

## Properties of Taimide® OT Polyimide Film

**Confidential**

Property	Test Item		Unit	OT -050	Test Method
	Thickness		mil	2	
Mechanical	Tensile Strength	MD	Kgf/mm <sup>2</sup>	19	ASTM D882
		TD		19	
	Elongation	MD	%	35	
		TD		35	
	Young's Modulus	MD	Kgf/mm <sup>2</sup>	450	
		TD		450	
Thermal	Dimensional Stability	MD	%	-0.05	IPC-TM-650 m2.2.4
		TD		-0.05	
	Coefficient of Thermal Expansion (100~200°C)	MD	ppm/°C	25	ASTM D696
		TD		25	
	Tg (Glass Transition Temperature)		°C	270	TMT method
Electrical	Dielectric Breakdown Voltage		kV/mil	8	ASTM D149
	Dielectric Constant		-	3.0	ASTM D150
	Dissipation Factor		-	0.009	
	Volume Resistivity		Ω·cm	2.7x10 <sup>16</sup>	ASTM D257
	Surface Resistance		Ω	4.5x10 <sup>17</sup>	
Optical	Color ( b* )		-	6	ASTM E313
	Total Transmittance		%	85	ISO 14782
	Haze		-	4	
Others	Water Absorption		%	1.1	ASTM D570

The above data is subject to change without notice.